

CLAIMS

1. An image transmission system for a mobile robot, comprising:
 - a camera for capturing an image as an image signal;
 - 5 a microphone for capturing sound as a sound signal;
 - human detecting means for detecting a human from the captured image and/or sound;
 - a power drive unit for moving the robot toward the detected human;
 - an image cut out means for cutting out an image of the detected human
- 10 according to information from the camera; and
 - image transmitting means for transmitting the cut out human image to an external terminal.
2. An image transmission system according to claim 1, wherein the system is adapted to detect a moving object from the image signal obtained from the camera, and determine that the object is a human from color information of the moving object.
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3. An image transmission system according to claim 1, wherein the system is adapted to determine a direction of a sound source from the sound signal obtained from the microphone.
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4. An image transmission system according to claim 1, further comprising means for monitoring state variables including a current position of the robot; the image transmitting means transmitting the monitored state variables in addition to the cut out human image.
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5. An image transmission system according to claim 1, wherein the system is
adapted to have the robot direct the camera toward the position of the detected human.

5 6. An image transmission system according to claim 1, wherein the system
further comprises means for measuring a distance to the detected human according to
the information from the camera, and providing a target of a movement to said mobile
robot.